

## Combined Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

This declaration is of the following type:

original     supplemental

national stage of PCT

divisional     continuation     continuation-in-part

My residence, post office address and citizenship are as stated next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### Solid-state Laser Apparatus

the specification of which

is attached hereto.

was filed on \_\_\_\_\_  
as United States Application Serial Number \_\_\_\_\_ and,  
was amended on \_\_\_\_\_ (if applicable).

was filed on August 23, 2004  
as PCT International Application Number PCT/JP2004/012073 and,  
was amended under PCT Article 19 on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

### PRIOR FOREIGN APPLICATIONS, BENEFIT CLAIMED UNDER 35 USC §119(a)

Application Number	Country	Date of Filing (Day/Month/Year)	Priority Claimed Under 35 USC 119
<u>P2003-333827</u>	<u>Japan</u>	<u>25 / September / 2003</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

**PRIOR U.S. PROVISIONAL APPLICATIONS, BENEFIT CLAIMED UNDER 35 USC §119(e)**

Application Number

Filing Date

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I hereby claim the benefit of Title 35, United States Code Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS  
DESIGNATING THE U.S., BENEFIT CLAIMED UNDER 35 USC §120**

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(Application No.)

(Filing Date)

(Status: Patented, Pending, Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the registered practitioners of Drinker Biddle & Reath LLP included in the Customer Number provided below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Customer Number 55694

Send Correspondence to: Customer Number 55694  
Drinker Biddle & Reath LLP  
1500 K Street, N.W., Suite 1100

Washington DC 20005-1209

Direct Telephone Calls to: Mr. John G. Smith at telephone number 202-842-8800

Full Name of sole or first inventor <b>Toshiyuki KAWASHIMA</b>	
Inventor's signature <i>Toshiyuki Kawashima</i>	Date 22 March 2006
Residence Hamamatsu-shi, Shizuoka, Japan	
Citizenship Japan	
Post office address c/o Hamamatsu Photonics K.K., 1126-1, Ichino-cho, Hamamatsu-shi, Shizuoka 435-8558 Japan	

Full Name second joint inventor, if any <b>Tadashi KANABE</b>	
Second inventor's signature <i>Tadashi Kanabe</i>	Date 3 April 2006
Residence Takarazuka-shi, Hyogo, Japan	
Citizenship Japan	
Post office address 6-17, Nakayama Satsuki-dai 5-chome, Takarazuka-shi, Hyogo 665-0871 Japan	

Full Name third joint inventor, if any <b>Sadao NAKAI</b>	
Third inventor's signature <i>Sadao Nakai</i>	Date 3 April 2006
Residence Ibaraki-shi, Osaka, Japan	
Citizenship Japan	
Post office address 6-45, Kitakasuga-oka 3-chome, Ibaraki-shi, Osaka 567-0048 Japan	

Full Name fourth joint inventor, if any <b>Hirofumi KAN</b>	
Fourth inventor's signature <i>Hirofumi Kan</i>	Date 3 April 2006
Residence Hamamatsu-shi, Shizuoka, Japan	
Citizenship Japan	
Post office address c/o Hamamatsu Photonics K.K., 1126-1, Ichino-cho, Hamamatsu-shi, Shizuoka 435-8558 Japan	

RECORDATION FORM COVER SHEET  
PATENTS ONLY

Attorney Docket No.: 46884-5464

To the Commissioner for Patents  
Please record the attached original documents or copy thereof.

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

1. Name of conveying party(ies):

1. Toshiyuki KAWASHIMA  
2. Tadashi KANABE  
3. Sadao NAKAI  
4. Hirofumi KAN

Additional names of conveying party(ies) attached?

Yes  No

2. Name and address of receiving party(ies):

Name: HAMAMATSU PHOTONICS K. K.

Address: 1126-1, Ichino-cho, Hamamatsu-shi, Shizuoka  
435-8558 Japan

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: (1) March 22, 2006, (2-4) April 3, 2006

Additional name(s) & address(es) attached?

Yes  No

4. New Application number(s) or patent number(s):

If this document is being filed together with a new application the execution date of the application is:

A. Patent Application No.(s) 10/573,114

B. Patent No.(s)

Additional numbers attached:  Yes  No

5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: John G. Smith

Internal Address: DRINKER BIDDLE & REATH LLP  
Customer No. 55694

Street Address: 1500 K. Street, N.W., Suite 1100

City: Washington State: D.C. Zip: 20005-1209

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00

Enclosed

Authorized to be charged to Deposit Account 50-0573

8. Deposit Account No. 50-0573

(Attach duplicate page if paying by deposit account)

9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Peter J. Sistare, Reg. No. 48,183

Name of Person Signing

Signature

April 11, 2007

Date

Total number of pages including cover sheet, attachments and documents: 2

04/13/2007 MKAYPAGH 00000050 10573114

02 FC:8021

40.00 DP

**ASSIGNMENT**

Whereas, I/we,

NameAddress

c/o Hamamatsu Photonics K.K.,

**1) Toshiyuki KAWASHIMA**1126-1, Ichino-cho,  
Hamamatsu-shi, Shizuoka 435-8558 Japan**2) Tadashi KANABE**6-17, Nakayama Satsuki-dai 5-chome,  
Takarazuka-shi, Hyogo 665-0871 Japan**3) Sadao NAKAI**6-45, Kitakasuga-oka 3-chome,  
Ibaraki-shi, Osaka 567-0048 Japan

c/o Hamamatsu Photonics K.K.,

**4) Hirofumi KAN**1126-1, Ichino-cho,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

hereinafter called assignor(s), have invented certain improvements in  
**Solid-state Laser Apparatus**

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on March 23, 2006, Serial No. 10/573114; and

Whereas

**HAMAMATSU PHOTONICS K.K.**

1126-1, Ichino-cho,  
Hamamatsu-shi, Shizuoka 435-8558 Japan

and, **Sadao NAKAI**

6-45, Kitakasuga-oka 3-chome,  
Ibaraki-shi, Osaka 567-0048 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORSDATE SIGNED

1): Toshiyuki Kawashima  
Name: Toshiyuki KAWASHIMA

March 22, 2006

2): Tadashi Kanabe  
Name: Tadashi KANABE

April 3 2006

3): Sadao Nakai  
Name: Sadao NAKAI

April 3 2006

4): Hirofumi Kan  
Name: Hirofumi KAN

April 3 2006